

Airport Technology Research & Development (ATR) Branch Acronym List

Acronym	Description
AAM	Advanced Air Mobility
AAS	Office of Airport Safety and Standards
AAPTP	Airport Asphalt Pavement Technology Program
ACPTP	Airport Concrete Pavement Technology Program
ACR	Aircraft Classification Rating
ACRP	Airport Cooperative Research Program
ACY	Atlantic City International Airport
ADS-B	Automatic Dependent Surveillance-Broadcast
AFFF	Aqueous Film Forming Foam
ANG	Office of Next Gen
ARAF	Airport Resilience Analysis Framework
ARFF	Aircraft Rescue and Firefighting
ARP	Office of Airports
ASR	Alkali-silica reaction
ATO	Air Traffic Organization
AUS	FAA UAS Integration Office
AVS	Aviation Safety
BADA	Base of Aircraft Data
BAKFAA	An analysis software developed by the FAA for the purpose of quickly obtaining results from falling/heavy weight deflectometer. Its name is a combination of “FAA” and “backcalculation”, the main analysis process it uses
BBI	Boeing Bump Index
BLOS	Beyond Line of Sight
CAFS	Compressed Air Foam Systems
CC	Construction Cycle
CCPR	Cold Central Plant Recycling
CFME	Continuous Friction Measuring Equipment
CRADAs	Cooperative Research and Development Agreements
DEIA	Diversity, Equity, Inclusion, and Accessibility
DoE	Department of Energy

Acronym	Description
DoT	Department of Transportation
EMAS	Engineered Material Arrestor System
EVTOL	Electric Vertical Takeoff and Landing
FAARFIELD	FAA Rigid and Flexible Iterative Elastic Layered Design software
FFF/F3	Fluorine Free Foam
FHWA	Federal Highway Administration
FOD	Foreign Object Debris
GA	General Aviation
HMA	Hot Mix Asphalt
ICAO	International Civil Aviation Organization
KPI	Key Performance Indicator
LCA	Life Cycle Assessment
LIR	Low-Impact Resistant
LOB	Line of Business
M&R	Maintenance & Rehabilitation
MILSPEC	Military Specification
ML	Machine Learning
NAPA	National Asphalt Pavement Association
NAPMRC	National Airport Pavement and Materials Research Center
NAS	National Airspace System
NREL	National Renewable Energy Lab
NRL	Naval Research Laboratory
OEM	Original Equipment Manufacturers
OST	Air Transportation Division
OTA	Other Transaction Agreements
PANDA-AP	Pavement Analysis tool for Non-linear Damage Assessment
PAVEAIR	A FAA web-based airport pavement management system that provides users with historic and current information about airport pavement construction, maintenance, and management
PCG	Program Coordination Group
PCC	Portland Cement Concrete

Acronym	Description
PFAS	Per- and Polyfluorinated Substances
ProFAA	An FAA software used to evaluate airport pavement roughness and smoothness from airport pavement profiles
QPL	Qualified Product List
RAP	Recycled Asphalt Pavement
RCM	Runway Closure Marker
REDAC	Research Engineering and Development Advisory Committee
REDIM	Runway Exit Design Tool and Landing Events Database
RF	Radio Frequency
RFPs	Request for Proposals
RWLSET	Runway Length Statistical Evaluation Tool
SOAR	Strategic Outlook for Aviation Research
SOR	Strategic Outlook for Research
SOW	Statement of Work
UAS	Unmanned Aircraft Systems
USDA	United States Department of Agriculture
WMA	Warm Mix Asphalt